

Hi Kristen:

We'll provide pertinent information regarding the 2L Axys methods and DLs.

Regards, Len

**From:** Durocher, Kristen [mailto:kristen.durocher@aecom.com]  
**Sent:** Tuesday, December 11, 2012 6:37 PM  
**To:** Warner, Len; Naranjo.Eugenia@epamail.epa.gov  
**Cc:** AccardiDey, AmyMarie; Kretchmer, Donald; John Rolfe; Scott Kirchner; Kelmar, Laura; Molnar, George; Willard Potter; Robert Law; McCarthy, Ryan; Vaughn.Stephania@epamail.epa.gov; Shoemaker, Robert; Kennedy, Robert; Simmons, Debbie  
**Subject:** RE: EPA oversight HV sampling

Len,

Axys is running the post-PUF filtrate samples in 2L volumes, whereas AP will use 10L samples. Is Axys using "standard" methods? Can they share the SOPs and detection limits?

We just want to check comparability.

Thanks!

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**Kristen Durocher**

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**To:** Durocher, Kristen; [Naranjo.Eugenia@epamail.epa.gov](mailto:Naranjo.Eugenia@epamail.epa.gov)  
**Cc:** AccardiDey, AmyMarie; Kretchmer, Donald; John Rolfe; Scott Kirchner; Kelmar, Laura; Molnar, George; Willard Potter; Robert Law; McCarthy, Ryan; [Vaughn.Stephania@epamail.epa.gov](mailto:Vaughn.Stephania@epamail.epa.gov)  
**Subject:** RE: EPA oversight HV sampling

Hi Kristen:

I don't think you've done anything to merit being called 'Grinch-ey,' at least not just yet. ;-)

Thanks for your response. We'll stick with Eugenia's request from earlier that we collect our split at the Newark Bay South station.

For the 10L filtrate sample, we plan to collect a 2L split, since that is the largest volume that Axys can accommodate with their current methods and SOPs. We plan to collect 5 x 2L bottles (dioxin and PCB samples, 2 lab replicates, and a contingency bottle). Most likely we'll request 200 ml per bottle each time that you collect 1L, but I'll rely on AmyMarie to work out the details.

Regards, Len

**From:** Durocher, Kristen [<mailto:kristen.durocher@aecom.com>]  
**Sent:** Tuesday, December 11, 2012 5:42 PM  
**To:** Warner, Len; [Naranjo.Eugenia@epamail.epa.gov](mailto:Naranjo.Eugenia@epamail.epa.gov)  
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**Subject:** RE: EPA oversight HV sampling

Len,

We can't take a large enough vessel into Newark Bay Northeast to accommodate the two PR2900 units, and we can't raft 2 boats together due to wave agitation.

The only locations we can use the West Cove and run 2 PR2900 at once in NBSA are at Newark Bay South and Kill van Kull, and we need to keep one of those locations for our internal QC (i.e., the field duplicate sample).

As an added concern to this, we do not have enough glass wool or PUF cartridges to accommodate more than 2 total EPA samples. We had discussed EPA splitting one sample in the river and one in the Bay earlier, and we have planned our entire program around this assumption.

We can discuss in any future events if there's a better way to build this mouse trap. In the summer months, for instance, OSI may be able to provide open barge-type vessels with little enough draw that we can take 2 units to Newark Bay Northeast. Right now, we need the warmth of the cabin for safety and to reduce the chance of crystallization, and are limited by which boats we can use.

I feel like I'm ruining Christmas. Call me Grinch.

Kristen

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**Sent:** Tuesday, December 11, 2012 5:33 PM  
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**Cc:** [aaccardidey@loiusberger.com](mailto:aaccardidey@loiusberger.com); Kretchmer, Donald; John Rolfe; Scott Kirchner; Kelmar, Laura; Molnar, George; Willard Potter; Robert Law; McCarthy, Ryan; [Vaughn.Stephania@epamail.epa.gov](mailto:Vaughn.Stephania@epamail.epa.gov)  
**Subject:** RE: EPA oversight HV sampling

Hello Eugenia and Kristen:

Is it possible for TSI to take a split from Newark Bay NE, so that EPA could collect a split at the KVK?

Regards, Len (P.S. – AmyMarie’s e-mail is misspelled in the above distribution – please revise “loius” to louisberger.com”)

**From:** [Naranjo.Eugenia@epamail.epa.gov](mailto:Naranjo.Eugenia@epamail.epa.gov) [<mailto:Naranjo.Eugenia@epamail.epa.gov>]  
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**To:** Durocher, Kristen  
**Cc:** [aaccardidey@loiusberger.com](mailto:aaccardidey@loiusberger.com); Kretchmer, Donald; John Rolfe; Scott Kirchner; Kelmar, Laura; Molnar, George; Willard Potter; Robert Law; McCarthy, Ryan; [Vaughn.Stephania@epamail.epa.gov](mailto:Vaughn.Stephania@epamail.epa.gov); Warner, Len  
**Subject:** RE: EPA oversight HV sampling

Then we will take the EPA split at NBS and the 10L.

Thanks

Eugenia Naranjo  
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-----"Durocher, Kristen" <[kristen.durocher@aecom.com](mailto:kristen.durocher@aecom.com)> wrote: -----

To: Stephanie Vaughn/R2/USEPA/US@EPA  
From: "Durocher, Kristen" <[kristen.durocher@aecom.com](mailto:kristen.durocher@aecom.com)>

Date: 12/11/2012 04:28PM

Cc: "[aaccardidey@loiusberger.com](mailto:aaccardidey@loiusberger.com)" <[aaccardidey@loiusberger.com](mailto:aaccardidey@loiusberger.com)>, "Kretchmer, Donald" <[donald.kretchmer@aecom.com](mailto:donald.kretchmer@aecom.com)>, Eugenia Naranjo/R2/USEPA/US@EPA, John Rolfe <[jrolfe@demaximis.com](mailto:jrolfe@demaximis.com)>, "[kirchnersf@cdm.com](mailto:kirchnersf@cdm.com)" <[kirchnersf@cdm.com](mailto:kirchnersf@cdm.com)>, "Kelmar, Laura" <[Laura.Kelmar@aecom.com](mailto:Laura.Kelmar@aecom.com)>, "Molnar, George" <[MolnarGC@cdmsmith.com](mailto:MolnarGC@cdmsmith.com)>, Willard Potter <[otto@demaximis.com](mailto:otto@demaximis.com)>, Robert Law <[rlaw@demaximis.com](mailto:rlaw@demaximis.com)>, "McCarthy, Ryan" <[Ryan.McCarthy@aecom.com](mailto:Ryan.McCarthy@aecom.com)>

Subject: RE: EPA oversight HV sampling

Stephanie and Eugenia,

Unfortunately, we cannot split both KvK and NBS. We need to use one of those locations for Tierra QC field duplicate.

When you talk with CDM, let me know if they'd like to do RM10.2, and if you would also like to split the 10L sample.

Thank you!

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**Sent:** Tuesday, December 11, 2012 4:25 PM

**To:** Durocher, Kristen

**Cc:** [aaccardidey@loiusberger.com](mailto:aaccardidey@loiusberger.com); Kretchmer, Donald; [Naranjo.Eugenia@epamail.epa.gov](mailto:Naranjo.Eugenia@epamail.epa.gov); John Rolfe; [kirchnersf@cdm.com](mailto:kirchnersf@cdm.com); Kelmar, Laura; Molnar, George; Willard Potter; Robert Law; McCarthy, Ryan

**Subject:** Re: EPA oversight HV sampling

Hi Kristen,

Sorry for not getting back to you sooner on the splits....I believe the NB team would like to take splits at both NBS and KVK, and they do want to split the 10-liter sample. Eugenia and/or Louis Berger can provide more details on this.

I still need to speak with Scott and/or George about where we would like take our split in the river, but if they think it's okay to take it from RM 10.2 instead of 4.2, then I am okay with it. George/Scott, feel free to weigh in on this, or give me a call if you'd like to discuss.

Thanks,  
Stephanie

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From: "Durocher, Kristen" <kristen.durocher@aecom.com>  
To: Eugenia Naranjo/R2/USEPA/US@EPA, Stephanie Vaughn/R2/USEPA/US@EPA, "kirchnersf@cdm.com" <kirchnersf@cdm.com>, "Molnar, George" <MolnarGC@cdmsmith.com>, "aaccardidey@loiusberger.com" <aaccardidey@loiusberger.com>  
Cc: Robert Law <rlaw@demaximis.com>, John Rolfe <jrolfe@demaximis.com>, Willard Potter <otto@demaximis.com>, "McCarthy, Ryan" <Ryan.McCarthy@aecom.com>, "Kretchmer, Donald" <donald.kretchmer@aecom.com>, "Kelmar, Laura" <Laura.Kelmar@aecom.com>  
Date: 12/11/2012 03:38 PM  
Subject: EPA oversight HV sampling

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Everyone,

I spoke at length with OSI and AECOM to discuss the concerns with additional people on the boats.

The West Cove has a USCG maximum capacity of 8 people. This is basically our two teams (2 OSI, 2 Gravity and 2 AECOM [2 per PR2900 unit]). After discussion and debate, to attempt to allow EPA oversight, Don Kretchmer will be the logger for both PR2900 units, leaving space for one EPA oversight. If Don feels he cannot track all necessary information in a thorough and complete manner and we need 2 loggers, we may change this, but we will attempt it on the first day West Cove is used (Tuesday).

We cannot raft a vessel to West Cove or any other vessel in the Newark Bay system. There is too much boat traffic, which causes wave action, creating an unsafe working environment for rafting.

So on a station-by-station basis:

1. Monday:
  - a. We cannot allow oversight at Dundee Dam. The vessel is too small.
  - b. We will have 2 vessels rafted together at RM 10.2. *George, this may be the best place for an EPA split, as we will have the most room.* We will be collecting our 10L sample at RM 10.2
2. Tuesday:
  - c. We will have the West Cove at RM 4.2. We can allow one person.
  - d. The Willing II will be at the dock at CPG collecting an equipment blank. All are welcome to observe

from the dock.

3. Wednesday

e. The West Cove will be at Newark Bay South. Providing a short-handed team works on Tuesday aboard West Cove, we will have room for one person.

f. The Willing II will be sampling at Newark Bay Northeast. There is no room for oversight and rafting is not an option.

4. Thursday

g. The West Cove will be at Kill van Kull. Providing a short-handed team works aboard West Cove, we will have room for one person.

5. Friday

h. The West Cove will be at Liberty Landing Yacht Club where a double Equipment Blank will be collected. All are welcome to observe from the docks.

We will determine meeting times in the next day or so. Sampling durations are attached to this email.

Once EPA has a decision on split locations (RM 10.2 or RM 4.2 and KVK or NBS) and whether or not 10L samples will be split, we can finalize.

Thank you.

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[attachment "20121211\_SampleVolumes.xlsx" deleted by Stephanie Vaughn/R2/USEPA/US]